

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Yoshihiro HAMAKAWA et al:

Serial No: 09/988,998 (11/21/01)

Filed: Concurrently Herewith

For: Photovoltaic Apparatus and Mass-Producing
Apparatus for Mass-Producing Spherical
Semiconductor Particles

) Examiner: A. Diamond

) Group Art Unit:1753

)

)

)

COMMISSIONER OF PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to Rule 37 C.F.R. §1.51(b), §1.56, §1.97, and §1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §120 and identified below, is not submitted herewith.

**ADDITIONAL DOCUMENTS OR INFORMATION NOT LISTED ON
ACCOMPANYING FORM PTO-1449 SUBMITTED FOR CONSIDERATION**

**Notification of Reasons for Refusal dated April 30, 2003, issued to corresponding basic
Japanese Patent Application No. 2000-358229**

CERTIFICATION

_____ This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 02-0200.

Respectfully submitted,



Benjamin E. Urcia
Registration No. 33,805

Date: June 27, 2003
BACON & THOMAS, PLLC
625 Slaters Lane, 4th Floor
Alexandria, Virginia 22314
Telephone: (703) 683-0500

B/O Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	Atty. Docket Number HAMA3002/BEU	Serial Number 09/988,998
	Applicant Yoshihiro HAMAKAWA et al	
	Filing Date Concurrently Herewith	Group 1753

U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
	JP6013633	1/21/94	JAPAN			X	
	JP2002134766	5/10/02	JAPAN			X	
	JP2002050780	2/15/02	JAPAN			X	

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

		Russell R. Schmit et al; "RECENT PROCESS IN THE DESIGN AND FABRICATION OF SPHERAL SOLAR MODULES"; January 1993; pp. 1078-1081; Conference Record of the 23 rd IEEE Photovoltaic Specialists Conference; Dallas, Texas (USA)

Examiner	Date Considered
----------	-----------------

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.